SYNTHESIS AND REACTIONS OF SOME 1,3-OXAZOLIUM-4-OLATE

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The synthesis of a number of benzoylglycoxylic amides and their conversion to 1,3-oxazolium-4-olates will be described (I \longrightarrow III \longrightarrow IV). The generality of this new synthesis of mesoionic compounds IV and some of their reactions will be discussed.

$$R_1 = C_6H_5$$
, $p-BrC_6H_4$, $p-CH_3C_6H_4$
 $R_2 = C_6H_5$, 2,6(CH₃)₂C₆H₃, β -naphthy1

$$R_3 = C_6H_5$$
, $p-NO_2C_6H_4$, $p-CH_3OC_6H_4$, CH_3 , $A-naphthy1$

Exo and endo